

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## TREATMENT OF PULMONARY DISORDERS USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623076.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

#### FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

х	no such foreign applications have been filed
	such foreign application have been filed as follows:

# EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
	•	,	Yes No
			Yes No
		·	Yes No

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Application Number	Country	Date of Filing
	·	
	·	
	-	

# CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

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Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/397275	July 19, 2002	x Yes No
60/411081	September 16, 2002	x Yes No
60/417490	October 10, 2002	x Yes No
60/455777	March 18, 2003	x Yes No

# CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

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Jane E. Remillard	38,872	Cynthia L. Kanik, Ph.D.	37,320	Andrina Williams Zink	54,539
DeAnn F. Smith	36,683	Theodore R. West	47,202	John D. Lanza	40,060

<sup>\*</sup> Limited Recognition Under 37 C.F.R. § 10.9(b)

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## and to:

Regina M. Anderson	35,820	Patricia Coleman James	37.155	Lawrence S. Pope	26,791
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Dianne Casuto	40,943	Michael J. Ward	37,960	William E. Murray	30,303
Allen W. Wark	30,503	Brian R. Woodworth	33,137	William J. Winter	36,060
Steven R. Crowley	31,604	Steven F. Weinstock	30,117	Nickki L. Parlett	44,996
Andreas M. Danckers	32,652	Michael R. Crabb	37,298	David J. Schodin	41,294
Gregory B. Donner	34,580	Kalim S. Fuzail	45,805	Mimi C. Goller	39,046
Beth A. Vrioni	39,869	Paul D. Yasger	37,477	Thomas D. Brainard	32,459

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

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John D. Conway Tara Seshadri 39,150 Kenneth Zwicker 48,591

43,310 Gayle B. O'Brien

48,812

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

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Send Correspondence to <u>Elizabeth A. Hanley, Esq.</u> at Customer Number: 00959 whose address is:

# LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

## Elizabeth A. Hanley, Esq., (617) 227-7400

Full name of first inventor	
Subhashis Banerjee	· ·
Sole or first inventor's signature	Date
•	
Residence	
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Full name of second inventor	
Lori K. Taylor	·
Second inventor's signature	Date
·	
Residence	
•	
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Citizenship US Mailing Address	
Mailing Address	
Mailing Address  14576 West Crabapple Drive	
Mailing Address	

Full name of third inventor	
Clive E. Spiegler	
Third inventor's signature	Date
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Residence	
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Full name of fourth inventor	•
Daniel Edward Tracey	•
Fourth inventor's signature	Date .
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Mailing Address	
Training reduces	
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·	
Full name of fifth inventor	
Elliot K. Chartash	
Fifth inventor's signature	Date
	Bate
Residence Pandolph Now Joseph	
Randolph, New Jersey	
Citizenship US  Mailing Address	
Maining Address	
28 Edinburgh Drive	
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L	
Full name of sixth inventor  Pelegge S. Hoffman	
Rebecca S. Hoffman Sixth inventor's signature	r <del>z </del>
Sixth inventor's signature	Date
Residence	
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Citizenship US	
Mailing Address	
Mailing Address	

Full name of seventh inventor	
William T. Barchuk	,
Seventh inventor's signature	Date
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Full name of eighth inventor Philip Yan	•
Eighth inventor's signature	Date
	Date
Residence Vernon Hills, Illinois	
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Mailing Address	
368 Old Creek Road	
Vernon Hills, Illinois 60061	
	<del></del>
Full name of ninth inventor	
Anwar Murtaza	•
Ninth inventor's signature	Date
Residence	
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Citizenship India	
Mailing Address	
50 Commons Drive	•
Apt. 30 Shrewsbury, Massachusetts 01545	•
Simonodity, Alaboachabetts 01545	
Full name of tenth inventor	
Jochen G. Salfeld	
Tenth inventor's signature	Date
Residence	
North Grafton, Massachusetts	•
Citizenship Germany	
Mailing Address	
,	
177 Old Westboro Road North Grafton, Massachusetts 01536	•
NOTHI CITATION, IVIANNACIHINEHN UT 130	

Full name of eleventh inventor		
Steven Fischkoff		
Eleventh inventor's signature	Date	
Residence		· · · · · · · · · · · · · · · · · · ·
Short Hills, New Jersey		
Citizenship US		
Mailing Address		
5 Canoe Brook Road Short Hills, New Jersey 07078		



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	<u>^</u>		Yes No
		`	Yes No

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	Date
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	Date
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Full name of third inventor	
Clive E. Spiegler	_
Third inventor's signature	Date
	Date
	,
Residence	
Reading, Berrkshire, United Kingdom	•
Citizenship US	
Mailing Address	· · · · · · · · · · · · · · · · · · ·
70 Peppard Road	
Emmer Green	
Reading	•
Berkshire; RG4 8TL; UNITED KINGDOM	
Full name of fourth inventor	
Daniel Edward Tracey	
Fourth inventor's signature	Date
Residence	<u> </u>
Harvard, Massachusetts	
	-
Citizenship US Mailing Address	
Maning Address	
149 Shaker Road	
Harvard, Massachusetts 01451	
	•
Full name of fifth inventor	-
Elliot K. Chartash	
Fifth inventor's signature	Date
Residence	
Randolph, New Jersey	
Citizenship US	
Mailing Address	•
28 Edinburgh Drive	
Randolph, New Jersey 07869	
,	,
	***************************************
Full name of sixth inventor	· · · · · · · · · · · · · · · · · · ·
Rebecca S. Hoffman	
Sixth inventor's signature	Date
Residence	
Wilmette, Illinois	
Citizenship US	
Mailing Address	
1000	
1300 Elmwood Avenue	
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1	

F. 11		
Full name of seventh inventor William T. Barchuk		
Seventh inventor's signature		
Seventi inventor s signature		Date
Residence		
Madison, New Jersey		
Citizenship US		
Mailing Address		
95 Madison Avenue		
Apt. 1	· ·	
Madison, New Jersey 07940		
Full name of eighth inventor	<del></del>	
Philip Yan		•
Eighth inventor's signature	· .	Date
,		Date
Residence		
Vernon Hills, Illinois		
Citizenship US		
Mailing Address		
368 Old Creek Road		
Vernon Hills, Illinois 60061		• 1
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Full name of ninth inventor		<del></del>
Anwar Murtaza		
Ninth inventor's signature		Date
Residence	·	
Shrewsbury, Massachusetts		
Citizenship India		· · · · · · · · · · · · · · · · · · ·
Mailing Address		
-	·	
50 Commons Drive		
Apt. 30 Shrewsbury, Massachusetts 01545		- 
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	·	
Full name of tenth inventor		
Jochen G. Salfeld		·
Tenth inventor's signature		Date
Residence	<u> </u>	<u> </u>
North Grafton, Massachusetts		
Citizenship Germany		
Mailing Address		
Mailing Address		
Mailing Address 177 Old Westboro Road		
Mailing Address		

Full name of eleventh inventor	,	
Steven Fischkoff	$\overline{}$	
Eleventh inventor's signature	HAI	1/26 Co 3
Residence		
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# is: LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109 Direct Telephone Calls to: Elizabeth A. Hanley, Esq., (617) 227-7400 Full name of first inventor Subhashis Banerjee Sole or first inventor's signature Date Residence Shrewsbury, Massachusetts Citizenship US Mailing Address 35 Hapgood Way Shrewsbury, Massachusetts 01545

<u> </u>	
Full name of second inventor	
Lori K. Taylor	
Second inventor's signature	Date
Residence	
Wadsworth, Illinois	
Citizenship US	
Mailing Address	
14576 West Crabapple Drive	
Wadsworth, Illinois 60083	

Full name of third inventor	
Clive E. Spiegler	I Date
Third inventor's signature	Date
Residence	l
Reading, Berrkshire, United Kingdom	
Citizenship US	
Mailing Address	
70 Peppard Road	
Emmer Green	
Reading Berkshire; RG4 8TL; UNITED KINGDOM	
Beiksille, RO4 61E, OMTED KINODOM	
Full name of fourth inventor	
Daniel Edward Tracey	
Fourth inventor's signature	Date
Residence	
Harvard, Massachusetts	
Citizenship US	
Mailing Address	
149 Shaker Road	
Harvard, Massachusetts 01451	
This varie, ivassiumuseus 01431	
Full name of fifth inventor	
Elliot K. Chartash	
Fifth inventor's signature	Date
Residence	
Randolph, New Jersey	
Citizenship US	
Mailing Address	
Maining Nations	
28 Edinburgh Drive	
Randolph, New Jersey 07869	
Full name of sixth inventor	
Rebecca S. Hoffman	<b>-</b>
Sixth inventor's signature	Date
Residence	l
Wilmette, Illinois	
Citizenship US	· · · · · · · · · · · · · · · · · · ·
Mailing Address	· · · · · · · · · · · · · · · · · · ·
1300 Elmwood Avenue	
Wilmette, Illinois 60091	

Full name of seventh inventor	
William T. Barchuk	
Seventh inventor's signature	Date
Residence	
Madison, New Jersey	
Citizenship US	
Mailing Address	
	•
95 Madison Avenue Apt. 1	
Madison, New Jersey 07940	
Made Soil, 100 Volocy 07710	
Full name of sighth in the	
Full name of eighth inventor Philip Yan	
Eighth inventor's signature	Date
~.g.m. m. ontol o signaturo	Date
Residence	
Vernon Hills, Illinois	
Citizenship US	
Mailing Address	•
368 Old Creek Road	
Vernon Hills, Illinois 60061	
Full name of ninth inventor	
Anwar Murtaza Ninth inventor's signature	I Date
Tymur miverior 5 signature	Date
Residence	
Shrewsbury, Massachusetts	
Citizenship India	
Mailing Address	
50 Commons Drive	
Apt. 30	
Shrewsbury, Massachusetts 01545	
Full name of tenth inventor	
Jochen G. Salfeld	
Tenth in ventor's regnature	Date 1 1 2 2
1-5/	11/11/03
Residence	
North Grafton, Massachusetts	
Citizenship Germany	
Mailing Address	
155 011111 1 1 1 1 1	
177 Old Westboro Road	
North Grafton, Massachusetts 01536	

Full name of eleventh inventor	
Steven Fischkoff	
Eleventh inventor's signature	Date
Residence	
Short Hills, New Jersey	
Citizenship US	
Mailing Address	·
5 Canoe Brook Road	
Short Hills, New Jersey 07078	



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE <u>DECLARATION FOR PATENT APPLICATION</u>

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### TREATMENT OF PULMONARY DISORDERS USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623076.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

### FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

x no such foreign applications have been filed	
such foreign application have been filed as follows:	

# EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			Yes No
			Yes No
			Yes No

# ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing
		,
		<u>L</u>

#### CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

	no such U.S. provisional applications h	have	been	filed.
--	---	------	------	--------

x such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/397275	July 19, 2002	x Yes No
60/411081	September 16, 2002	x Yes No
60/417490	October 10, 2002	x Yes No
60/455777	March 18, 2003	x Yes No

#### CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

## I hereby appoint:

All practitioners at Customer Number 00959 (listed here):

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Ralph A. Loren	29,325	Jeremiah Lynch	17,425	Lisa M. DiRocco	51,619
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Elizabeth A. Hanley	33,505	* Maria Laccotripe Zacharakis, Ph.D.		Cynthia M. Soroos	53,623
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DeAnn F. Smith	36,683	Theodore R. West	47,202	John D. Lanza	40,060

<sup>\*</sup> Limited Recognition Under 37 C.F.R. § 10.9(b)

all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

#### and to:

Regina M. Anderson	35,820	Patricia Coleman James	37,155	Lawrence S. Pope	26,791
Cheryl L. Becker	35,441	Gregory W. Steele	33,796	Christopher P. Rogers	36,334
Portia L. Chen,	44,075	David L. Weinstein	28,128	Nicholas A. Poulos	30,209
Dianne Casuto	40,943	Michael J. Ward	37,960	William E. Murray	30,303
Allen W. Wark	30,503	Brian R. Woodworth	33,137	William J. Winter	36,060
Steven R. Crowley	31,604	Steven F. Weinstock	30,117	Nickki L. Parlett	44,996
Andreas M. Danckers	32,652	Michael R. Crabb	37,298	David J. Schodin	41,294
Gregory B. Donner	34,580	Kalim S. Fuzail	45,805	Mimi C. Goller	39,046
Beth A. Vrioni	39,869	Paul D. Yasger	37,477	Thomas D. Brainard	32,459

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

and	to:
anu	w.

John D. Conway

39,150 Kenneth Zwicker 48,591

43,310 Gayle B. O'Brien

48,812

Tara Seshadri

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to <u>Elizabeth A. Hanley, Esq.</u> at **Customer Number: 00959** whose address is:

# LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109 Direct Telephone Calls to: Elizabeth A. Hanley, Esq., (617) 227-7400 Full name of first inventor Subhashis Banerjee Sole or first inventor's signature Date Residence Shrewsbury, Massachusetts Citizenship US Mailing Address 35 Hapgood Way Shrewsbury, Massachusetts 01545 Full name of second inventor Lori K. Taylor Second inventor's signature Date Residence Wadsworth, Illinois Citizenship US Mailing Address 14576 West Crabapple Drive Wadsworth, Illinois 60083

Full name of third inventor	
Clive E. Spiegler	
Third inventor's signature	Date
Residence	
Reading, Berrkshire, United Kingdom	
Citizenship US	
Mailing Address	
70 Peppard Road	
Emmer Green	
Reading	
Berkshire; RG4 8TL; UNITED KINGDOM	
Full name of fourth inventor	
Daniel Edward Tracey	
Fourth inventor's signature	Date
Residence	
Harvard, Massachusetts	
Citizenship US	
Mailing Address	
140 (1 1 7 1	
149 Shaker Road	
Harvard, Massachusetts 01451	
Full name of fifth inventor	<u> </u>
Elliot K. Chartash	
Fifth inventor's signature	Date
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Residence	
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Citizenship US	
Mailing Address	4
28 Edinburgh Drive	
Randolph, New Jersey 07869	
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Rebecca S. Hoffman	
Sixth inventor's signature	Date
Residence	
Wilmette, Illinois	
Citizenship US	
Mailing Address	
maining rivarios	
1300 Elmwood Avenue	
Wilmette, Illinois 60091	

Full name of seventh inventor William T. Barchuk	
Seventh inventor's signature	I Date
Seventh inventor's signature	Date
Residence	
Madison, New Jersey	
Citizenship US	
Mailing Address	
95 Madison Avenue	
Apt. 1	
Madison, New Jersey 07940	
Full name of eighth inventor	
Philip Yan Eighth inventor's signature	Date
Eighth inventor 5 signature	Date
Residence	
Vernon Hills, Illinois	
Citizenship US	
Mailing Address	
368 Old Creek Road	
Vernon Hills, Illinois 60061	
Full name of ninth inventor	
Anwar Murtaza	
Ninth inventor's signature	Date
	1, 1
Residence Muxique	11/8/03
Westborough, Massachusetts	1 ( )
Citizenship India Mailing Address	
30 Treetop Park Westborough, Massachusetts 01581	
Westborough, Wassachusetts 01501	
Full name of tenth inventor	
Jochen G. Salfeld	
Tenth inventor's signature	Date
Residence	
North Grafton, Massachusetts	
Citizenship Germany	
Mailing Address	
<b>V</b>	
177 Old Westboro Road	
North Grafton, Massachusetts 01536	

Full name of eleventh inventor	
Steven Fischkoff	
Eleventh inventor's signature	Date
Residence	
Short Hills, New Jersey	
Citizenship US	
Mailing Address	
5 Canan Basala Basal	
5 Canoe Brook Road	
Short Hills, New Jersey 07078	



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

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and of the approach on which priority is claimed.	*			
x no such foreign applications have been filed				
such foreign application have been filed as follows:				
		* *	1	

# EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			Yes No
		-	Yes No
			Yes No

# ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing
	•	:
		,
-		

# CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

no such U.S. provisional applications have been to	iled.
--	-------

x such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/397275	July 19, 2002	x Yes No
60/411081	September 16, 2002	x Yes No
60/417490	October 10, 2002	x Yes No
60/455777	March 18, 2003	x Yes No

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Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

х	no su	ch 1	U.S./PCT	applications	have	been	filed.

	such U.S./PCT	application	have beer	filed as	follows:
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Application Number	Relationship	Parent Application	Date of Filing
			-
	·		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Elizabeth A. Hanley	33,505	* Maria Laccotripe Zacharakis, Ph.D.		Cynthia M. Soroos	53,623
Amy E. Mandragouras	36,207	Debra J. Milasincic	46,931	Jonathan M. Sparks, Ph.D.	53,624
Anthony A. Laurentano	38,220	David R. Burns	46,590	Merideth C. Arnold	52,568
Kevin J. Canning	35,470	Sean D. Detweiler	42,482	Peter W. Dini, Ph.D.	52,821
Jane E. Remillard	38,872	Cynthia L. Kanik, Ph.D.	37,320	Andrina Williams Zink	54,539
DeAnn F. Smith	36,683	Theodore R. West	47,202	John D. Lanza	40,060

<sup>\*</sup> Limited Recognition Under 37 C.F.R. § 10.9(b)

# all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

#### and to:

Regina M. Anderson	35.820	Patricia Coleman James	37.155	Lawrence S. Pope	26,791
Cheryl L. Becker	35,441	Gregory W. Steele	33,796	Christopher P. Rogers	36,334
Portia L. Chen,	44,075	David L. Weinstein	28,128	Nicholas A. Poulos	30,209
Dianne Casuto	40,943	Michael J. Ward	37,960	William E. Murray	30,303
Allen W. Wark	30,503	Brian R. Woodworth	33,137	William J. Winter	36,060
Steven R. Crowley	31,604	Steven F. Weinstock	30,117	Nickki L. Parlett	44,996
Andreas M. Danckers	32,652	Michael R. Crabb	37,298	David J. Schodin	41,294
Gregory B. Donner	34,580	Kalim S. Fuzail	45,805	Mimi C. Goller	39,046
Beth A. Vrioni	39,869	Paul D. Yasger	37,477	Thomas D. Brainard	32,459

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

and to:

John D. Conway Tara Seshadri

39.150 Kenneth Zwicker 48,591

43,310 Gayle B. O'Brien 48,812

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to Elizabeth A. Hanley, Esq. at Customer Number: 00959 whose address is:

# LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

<u>Eli</u>

zabeth A. Hanley, Esq., (617) 227-7400	•
Full name of first inventor	
Subhashis Banerjee	•
Sole or first inventor's signature	Date
Residence	
Shrewsbury, Massachusetts	
Citizenship US	
Mailing Address	
35 Hapgood Way Shrewsbury, Massachusetts 01545	
Full name of second inventor	
Lori K. Taylor	•
Second inventor's signature	Date
Residence	
Wadsworth, Illinois	·
Citizenship US	
Mailing Address	
14576 West Crabapple Drive Wadsworth, Illinois 60083	

Full name of third inventor	
Clive E. Spiegler	
Third inventor's signature	Date
	<u> </u>
Residence  Dooding Downloading Huited Wingdom	•
Reading, Berrkshire, United Kingdom	
Citizenship US	
Mailing Address	
70 Peppard Road	
Emmer Green	•
Reading Berkshire; RG4 8TL; UNITED KINGDOM	
Detasilie, RO4 81L, UNITED KINODOW	<del></del>
	·
Full name of fourth inventor	
Daniel Edward Tracey	· · · · · · · · · · · · · · · · · · ·
Fourth inventor's signature	Date
Residence	<u> </u>
Harvard, Massachusetts	
Mailing Address	
149 Shaker Road	
Harvard, Massachusetts 01451	
The variety massive transfer of 451	•
Full name of fifth inventor	
Elliot K. Chartash	
Fifth inventor's signature	Date
Residence	
Randolph, New Jersey	
Citizenship US	
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	•
28 Edinburgh Drive	
Randolph, New Jersey 07869	
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Full name of sixth inventor	
Rebecca S. Hoffman	
Sixth inventor's signature	Date
·	
Residence	<u></u>
Wilmette, Illinois	
Citizenship US	
Mailing Address	
1200 Fl	
1300 Elmwood Avenue	•
Wilmette, Illinois 60091	

Full name of seventh inventor William T. Barchuk	
Seventh inventor's signature	Date
Willen Smiles	11/6/03
Residence Madison, New Jersey	
Citizenship US	
Mailing Address	
95 Madison Avenue	
Apt. 1	•
Madison, New Jersey 07940	
Full name of eighth inventor	
Philip Yan	
Eighth inventor's signature	Date
Residence	
Vernon Hills, Illinois	•
Citizenship US	
Mailing Address	
368 Old Creek Road	. '
Vernon Hills, Illinois 60061	
Full name of ninth inventor Anwar Murtaza	
Ninth inventor's signature	I D
Trindi inventor 3 signature	Date
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Residence	
Shrewsbury, Massachusetts	
Citizenship India Mailing Address	· · · · · · · · · · · · · · · · · · ·
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50 Commons Drive Apt. 30	• •
Shrewsbury, Massachusetts 01545	
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Full name of tenth inventor	· · · · · · · · · · · · · · · · · · ·
Jochen G. Salfeld	
Tenth inventor's signature	Date
·	
Residence	
North Grafton, Massachusetts	
Citizenship Germany	
Mailing Address	<del>-</del>
	,
177 Old Westboro Road	
North Grafton, Massachusetts 01536	

Full name of eleventh inventor		
Steven Fischkoff		
Eleventh inventor's signature	Date	
;		
Residence		
Short Hills, New Jersey		
Citizenship US		
Mailing Address		
5 Canoe Brook Road Short Hills, New Jersey 07078		



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such foreign application have been filed as follows:	
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Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			Yes No
			Yes No
			Yes No

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Application Number	Country	Date of Filing
		,

### CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35	5, United States Code §119(e), of any United
States provisional patent application(s) listed	

	no such	U.S.	provisional	applications	have	been	filed.
			P. C. IOLOIIMI	apphounons	IIu · O	00011	11104.

<b>X</b>	such U.S. provisional	application	have be	en filed as follows:
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Application Number	Date of Filing	Priority Claimed Under 35 USC 119
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Portia L. Chen,	44,075	David L. Weinstein	28,128	Nicholas A. Poulos	30,209
Dianne Casuto	40,943	Michael J. Ward	37,960	William E. Murray	30,303
Allen W. Wark	30,503	Brian R. Woodworth	33,137	William J. Winter	36,060
Steven R. Crowley	31,604	Steven F. Weinstock	30,117	Nickki L. Parlett	44,996
Andreas M. Danckers	32,652	Michael R. Crabb	37,298	David J. Schodin	41,294
Gregory B. Donner	34,580	Kalim S. Fuzail	45,805	Mimi C. Goller	39,046
Beth A. Vrioni	39,869	Paul D. Yasger	37,477	Thomas D. Brainard	32,459

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

and to:

John D. Conway Tara Seshadri 39,150 Kenneth Zwicker 48,591

43,310 Gayle B. O'Brien

48,812

all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

Send Correspondence to <u>Elizabeth A. Hanley, Esq.</u> at Customer Number: 00959 whose address is:

# LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

#### Elizabeth A. Hanley, Esq., (617) 227-7400

	Date	
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	Date	
,	Date	
	Date	· · · · · · · · · · · · · · · · · · ·

Full name of third inventor	
Clive E. Spiegler	
Third inventor's signature	Date
Residence	
Reading, Berrkshire, United Kingdom	
Citizenship US	· · · · · · · · · · · · · · · · · · ·
Mailing Address	
70 Peppard Road	•
Emmer Green	
Reading	
Berkshire; RG4 8TL; UNITED KINGDOM	·
Full name of fourth inventor	·
Daniel Edward Tracey	
Fourth inventor's signature	Date
Residence	
Harvard, Massachusetts	
Citizenship US	
Mailing Address	
149 Shaker Road	
Harvard, Massachusetts 01451	•
Full name of fifth inventor	
Elliot K. Chartash	
Fifth inventor's signature	Date
my a must	10 NOV 03
Residence	
Randolph, New Jersey	•
Citizenship US	
Mailing Address	· · · · · · · · · · · · · · · · · · ·
28 Edinburgh Drive	
Randolph, New Jersey 07869	
	·
Full name of sixth inventor	
Rebecca S. Hoffman	·
Sixth inventor's signature	Date
Residence	.1
Wilmette, Illinois	•
Citizensinp US	
Mailing Address	
1300 Elmwood Avenue	
Wilmette, Illinois 60091	
Wilmette, Illinois 60091	

Full name of seventh inventor William T. Barchuk	
Seventh inventor's signature	Date
or one a signature	Date
	1 .
Residence	<u> </u>
Madison, New Jersey	
Citizenship US	
Mailing Address	
95 Madison Avenue	
Apt. 1	
Madison, New Jersey 07940	
•	<u> </u>
Full name of eighth inventor	
Philip Yan Eighth inventor's signature	
Eighth inventor's signature	Date
	;
Residence	
Vernon Hills, Illinois	
Citizenship US	
Mailing Address	
368 Old Creek Road	•
Vernon Hills, Illinois 60061	
Full name of ninth inventor	· · · · · · · · · · · · · · · · · · ·
Anwar Murtaza	
Ninth inventor's signature	Date
	·
Residence	
Shrewsbury, Massachusetts	
Citizenship India	
Mailing Address	
50 Commons Drive	•
Apt. 30	
Shrewsbury, Massachusetts 01545	
Full name of tenth inventor	
Jochen G. Salfeld	•
Tenth inventor's signature	Date
	,
Residence	
North Grafton, Massachusetts	
Citizenship Germany	
Mailing Address	
455 011111	
177 Old Westboro Road	
North Grafton, Massachusetts 01536	

Full name of eleventh inventor		
Steven Fischkoff		
Eleventh inventor's signature	Date	
Residence		
Short Hills, New Jersey		
Citizenship US		
Mailing Address		
5 Canoe Brook Road		
Short Hills, New Jersey 07078		•



# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

#### TREATMENT OF PULMONARY DISORDERS USING TNFa INHIBITORS

the specification of which was filed on July 18, 2003 as Application No. 10/623076.

In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) at Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109, to insert above the filing date and/or Application No. of said application.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to herein.

I acknowledge the duty to disclose all information known to me that is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

#### FOREIGN PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

		*	
x no such foreign applica	tions have been filed		
such foreign applicatio	n have been filed as follows:		

# EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			Yes No
			Yes No
		,	Yes No

# ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing
:		
	, ·	

#### CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

I hereby claim priority benefits under Title 35, United States Code §119(e), of any United States provisional patent application(s) listed below:

x such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/397275	July 19, 2002	x Yes No
60/411081	September 16, 2002	x Yes No
60/417490	October 10, 2002	x Yes No
60/455777	March 18, 2003	x Yes No

### CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

$\mathbf{x}$	no such U.S./PCT a	applications	have	been	filed
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İ	such	U.S./PCT	app	dication	have	been	filed	as	follo	NS:

Application Number	Relationship	Parent Application	Date of Filing

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### I hereby appoint:

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Elizabeth A. Hanley	33,505	* Maria Laccotripe Zacharakis, Ph.D.	*	Cynthia M. Soroos	53,623
Amy E. Mandragouras	36,207	Debra J. Milasincic	46,931	Jonathan M. Sparks, Ph.D.	53,624
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Kevin J. Canning	35,470	Sean D. Detweiler	42,482	Peter W. Dini, Ph.D.	52,821
Jane E. Remillard	38,872	Cynthia L. Kanik, Ph.D.	37,320	Andrina Williams Zink	54,539
DeAnn F. Smith	36,683	Theodore R. West	47,202	John D. Lanza	40,060
		•			

<sup>\*</sup> Limited Recognition Under 37 C.F.R. § 10.9(b)

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#### and to:

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Beth A. Vrioni	39,869	Paul D. Yasger	37,477	Thomas D. Brainard	32,459

all of Abbott Laboratories, 100 Abbott Park Road, Abbott Park, IL 60064,

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John D. Conway Tara Seshadri 39,150 Kenneth Zwicker 48,591

43,310 Gayle B. O'Brien

48,812

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Direct Telephone Calls to:

#### Elizabeth A. Hanley, Esq., (617) 227-7400

Full name of first inventor		<del></del>		
Subhashis Banerjee				
Sole or first inventor's signature	Date			
Residence				
Shrewsbury, Massachusetts				
Citizenship US				
Mailing Address			•	
35 Hapgood Way Shrewsbury, Massachusetts 01545				
Sillewsbury, Massachusetts 01545				
	<del></del>			
Full name of second inventor				
Lori K. Taylor				
Second inventor's signature	Date			
Residence		-,	·,·	
Wadsworth, Illinois		•		1
Citizenship US				
Mailing Address				
14576 West Crabapple Drive Wadsworth, Illinois 60083				

Full name of third inventor	· · · · · · · · · · · · · · · · · · ·
Clive E. Spiegler Third inventor's signature	
Third inventor's signature	Date
Residence	· · · · · · · · · · · · · · · · · · ·
Reading, Berrkshire, United Kingdom	
Citizenship US	
Mailing Address	
70 Peppard Road	•
Emmer Green	•
Reading	
Berkshire; RG4 8TL; UNITED KINGDOM	
•	
Full name of fourth inventor	
Daniel Edward Tracey	
Fourth inventor's signature	Date
Daviel Edward Tracey	11/11/03
Residence	
Harvard, Massachusetts	
Citizenship US  Mailing Address	
Matting Address	
149 Shaker Road	
Harvard, Massachusetts 01451	
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Full name of fifth inventor	
Elliot K. Chartash	
Fifth inventor's signature	Date
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Residence	
Randolph, New Jersey	· .
Citizenship US	
Mailing Address	
20 Edinkumah Daissa	•
28 Edinburgh Drive Randolph, New Jersey 07869	
Randolphi, New Jersey 07009	
<u> </u>	
Full name of sixth inventor	<del></del>
Rebecca S. Hoffman	
Sixth inventor's signature	Date
-	
Residence	
Wilmette, Illinois	
Citizenship US	
Mailing Address	
1300 Elmwood Avenue	
Wilmette, Illinois 60091	

Full name of seventh inventor	<del></del>	<del></del>
William T. Barchuk	·	
Seventh inventor's signature	<del></del>	Date
or community control of signature		Date
	•	
Residence		
Madison, New Jersey		
Citizenship US		,
Mailing Address	,	
95 Madison Avenue		
Apt. 1		•
Madison, New Jersey 07940		
Full name of eighth inventor		
Philip Yan		
Eighth inventor's signature	-	Date
	•	
Residence		
Vernon Hills, Illinois		
Citizenship US		
Mailing Address		<del></del>
368 Old Creek Road		
Vernon Hills, Illinois 60061		
Full name of ninth inventor		
Anwar Murtaza		•
Ninth inventor's signature		Date
Residence		
Shrewsbury, Massachusetts		
Citizenship India Mailing Address		
	•	, <del>-</del>
50 Commons Drive	•	
Apt. 30 Shrewsbury, Massachusetts 01545		
Sillewsoury, Wassachusetts 01343		
Full name of tenth inventor		
Jochen G. Salfeld	·	
Tenth inventor's signature		Date
,	•	
Residence		
North Grafton, Massachusetts	•	
Citizenship Germany		
Mailing Address		
122 011 11 2 2		
177 Old Westboro Road		
North Grafton, Massachusetts 01536		•

Full name of eleventh inventor		
Steven Fischkoff		<i>f</i>
Eleventh inventor's signature	Date	
	·	
Residence	<del></del>	
Short Hills, New Jersey		•
Citizenship US		
Mailing Address		
5 Canoe Brook Road Short Hills, New Jersey 07078		. ·



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# EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Application Number	Country	Date of Filing	Priority Claimed Under 35 USC 119
			Yes No
			Yes No
			Yes No

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Application Number	Country	Date of Filing		
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## CLAIM FOR BENEFIT OF EARLIER U.S. PROVISIONAL APPLICATIONS

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Elizabeth A. Hanley	33,505	* Maria Laccotripe Zacharakis, Ph.D.	•	Cynthia M. Soroos	53,623
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#### all of Lahive & Cockfield, LLP, 28 State Street, Boston, Massachusetts 02109,

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Allen W. Wark	30,503	Brian R. Woodworth	33,137	William J. Winter	36,060
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Gregory B. Donner	34,580	Kalim S. Fuzail	45,805	Mimi C. Goller	39,046
Beth A. Vrioni	39,869	Paul D. Yasger	37,477	Thomas D. Brainard	32,459

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all of Abbott Bioresearch Center, 100 Research Dr., Worcester, MA 01605,

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#### LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

Elizabeth A. Hanley, Esq., (617) 227-7400

Full name of first inventor	,
Subhashis Banerjee	
Sole or first inventor's signature	Date
	• •
Residence	
Shrewsbury, Massachusetts	•
Citizenship US	
Mailing Address	
35 Hapgood Way Shrewsbury, Massachusetts 01545	
Full name of second inventor  Lori K. Taylor	
Second inventor's signature  Residence	Date DEC - 9 2003
Wadsworth, Illinois	
Citizenship US	······································
Mailing Address	
14576 West Crabapple Drive Wadsworth, Illinois 60083	

Full name of third inventor	
Clive E. Spiegler	
Third inventor's signature	Du
Time inversor's signature	Date
	·
Residence	
Reading, Berrkshire, United Kingdom	
Citizenship US	
Mailing Address	
70 Peppard Road	
Emmer Green	
Reading	•
Berkshire; RG4 8TL; UNITED KINGDOM	·
Full name of fourth inventor	
Daniel Edward Tracey	
Fourth inventor's signature	Date
Residence	
Harvard, Massachusetts	
Citizenship US	
Mailing Address	
149 Shaker Road	
Harvard, Massachusetts 01451	
	· · · · · · · · · · · · · · · · · · ·
Full name of fifth inventor	
Elliot K. Chartash	
Fifth inventor's signature	Date
This my differ of inglittate	Date
Residence	
Randolph, New Jersey	
Citizenship US	
Mailing Address	
20 Ediahamah Daina	
28 Edinburgh Drive Randolph, New Jersey 07869	
Randolphi, New Jersey 07809	
	· · · · · · · · · · · · · · · · · · ·
Full name of sixth inventor	
Rebecca S. Hoffman	·
Sixth inventor's signature	Date
Colica S. Hog ma-	26 NOV 03
	QD,
Residence	
Wilmette, Illinois	
Citizenship US	
Mailing Address	
1300 Elmwood Avenue	•
Wilmette, Illinois 60091	
Winnette, filmois 60091	

Full name of seventh inventor William T. Barchuk	
Seventh inventor's signature	Date
	Date
Residence	<u> </u>
Madison, New Jersey	
Citizenship US Mailing Address	· -
·	
95 Madison Avenue Apt. 1	
Madison, New Jersey 07940	
Full name of eighth inventor Philip Yan	
Eighth inventor's signature	Date
Whilip M	Der 8, 2003
Residence Vernon Hills, Illinois	
Citizenship US	
Mailing Address	
368 Old Creek Road	
Vernon Hills, Illinois 60061	•
Full name of ninth inventor	
Anwar Murtaza	1
Ninth inventor's signature	Date
Residence	· · · · · · · · · · · · · · · · · · ·
Shrewsbury, Massachusetts	
Citizenship India Mailing Address	<del></del>
50 Commons Drive	
Apt. 30	
Shrewsbury, Massachusetts 01545	•
Full name of tenth inventor  Jochen G. Salfeld	
Tenth inventor's signature	Date
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North Grafton, Massachusetts	
Citizenship Germany	
Mailing Address	
177 Old Westboro Road	
North Grafton, Massachusetts 01536	
·	

Full name of eleventh inventor					·	
Steven Fischkoff			•			
Eleventh inventor's signature				Date		
	,					
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Short Hills, New Jersey						
Citizenship US		,				
Mailing Address						
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Short Hills, New Jersey 07078						



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	•		Yes No
			Yes No

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Application Number	Country	Date of Filing
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	·	•
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States provisional patent application(s) listed below:		

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ı	- 1	iio sucii	$\mathbf{c}$	provisional	applications	navc	UCCII	mcu.
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x such U.S. provisional application have been filed as follows:

Application Number	Date of Filing	Priority Claimed Under 35 USC 119
60/397275	July 19, 2002	x Yes No
60/411081	September 16, 2002	x Yes No
60/417490	October 10, 2002	x Yes No
60/455777	March 18, 2003	x Yes No

#### CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of the United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose all information that is material to patentability in accordance with Title 37, Code of Federal

Regulations, §1.56 which became available to me between the filing date of the prior application and the national or PCT international filing date of this application:

х	no such U.S./PCT applications have been filed	i.
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such U.S./PCT application have been filed as follows:

Application Number	Relationship	Parent Application	Date of Filing	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

#### I hereby appoint:

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jointly, and each of them severally, my attorneys at law/patent agent(s), with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the U. S. Patent and Trademark Office connected therewith.

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